C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.54.a U-Down & V-Primary (PEER 25) Critical Device Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.54		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved:_____*Signature on File*_____   _____
Collider-Accelerator Department Chairman   Date

V. Castillo

4.120.54.a U-Down & V-Primary (PEER 25) Critical Device Tests

PASS SEMI-ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ **Checksum:** _____

Division B Software Filename and Checksum: Title:_____ **Checksum:** _____

<u>**Initial testing complete:**</u>

Test Team Leader's Name (Print): _____ **Life Number:** _____

Test Team Leader's Name (Sign): _____ **Date:** _____/____/_____

<u>**Acceptance test procedure complete (following repairs and retesting if required):**</u>

Test Team Leader's Name (Print): _____ **Life Number:**_____

Test Team Leader's Name (Sign): _____ **Date:** _____/____/_____

<u>**Test results reviewed by:**</u>

Safety Section Head's Name (Print):_____ **Life Number:** _____

Safety Section Head's Name (Sign):_____ **Date:** _____/____/_____

<u>**Test results accepted by Radiation Safety Committee:**</u>

RSC Member's Name (Print):_____ **Life Number:** _____

RSC Member's Name (Sign):_____ **Date:** _____/____/_____

8.1.1   **Test that Critical Devices: Power Supply UD1,2 cannot be enabled in Safe Access, Mode 2; Restricted Access, Mode 8 and Controlled Access, Mode 16.**

	PLACE	**Peer 25** in **Safe Access, Mode 2**	
☐	**VERIFY**	**MCR** sees **Peer 25** in	**MODE 2**
	AT	**912** Critical Device Box	
☐	**VERIFY**	**Div A** RIO **Output Leds 6** ☐ **& 7** ☐ are	**OFF**
☐	**VERIFY**	**Div B** RIO **Output Leds 6** ☐ **& 7** ☐ are	**OFF**
☐	**VERIFY**	Power supply **red** Bullseye lamp for **UD1,2** is	**OFF**
☐	**VERIFY**	**Attempt** to **turn on** Power Supply **UD1,2**	**FAIL**
	PLACE	**Peer 25** in **Restricted Access, Mode 8**	
☐	**VERIFY**	**MCR** sees **Peer 25** in	**MODE 8**
	AT	**912** Critical Device Box	
☐	**VERIFY**	**Div A** RIO **Output Leds 6** ☐ **& 7** ☐ are	**OFF**
☐	**VERIFY**	**Div B** RIO **Output Leds 6** ☐ **& 7** ☐ are	**OFF**
☐	**VERIFY**	Power supply **red** Bullseye lamp for **UD1,2** is	**OFF**
☐	**VERIFY**	**Attempt** to **turn on** Power Supply **UD1,2**	**FAIL**
	PLACE	**Peer 25** in **Controlled Access, Mode 16**	
☐	**VERIFY**	**MCR** sees **Peer 25** in	**MODE 16**
	AT	**912** Critical Device Box	
☐	**VERIFY**	**Div A** RIO **Output Leds 6** ☐ **& 7** ☐ are	**OFF**
☐	**VERIFY**	**Div B** RIO **Output Leds 6** ☐ **& 7** ☐ are	**OFF**
☐	**VERIFY**	Power supply **red** Bullseye lamp for **UD1,2** is	**OFF**
☐	**VERIFY**	**Attempt** to **turn on** Power Supply **UD1,2**	**FAIL**

☐   **Check for acceptance of Test that Critical Device: Power Supply UD1,2 cannot be enabled in Safe Access, Mode 2; Restricted Access, Mode 8 and Controlled Access, Mode 16.**

8.1.2 **Test that Critical Device: Power Supply H10 cannot be enabled in Safe Access, Mode 2; Restricted Access, Mode 8 and Controlled Access, Mode 16.**

	PLACE	**Peer 25** in **Safe Access, Mode 2**	
☐	**VERIFY**	**MCR** sees **Peer 25** in	**MODE 2**
	AT	**H10-House** Critical Device Box	
☐	**VERIFY**	**Div A** RIO **Output Led 7** ☐ is	**OFF**
☐	**VERIFY**	**Div B** RIO **Output Led 7** ☐ is	**OFF**
☐	**VERIFY**	Power supply **Pass Security Led** for **H10** is	**OFF**
☐	**VERIFY**	**Attempt** to **turn on** Power Supply **H10**	**FAIL**
	PLACE	**Peer 25** in **Restricted Access, Mode 8**	
☐	**VERIFY**	**MCR** sees **Peer 25** in	**MODE 8**
	AT	**H10-House** Critical Device Box	
☐	**VERIFY**	**Div A** RIO **Output Led 7** ☐ is	**OFF**
☐	**VERIFY**	**Div B** RIO **Output Led 7** ☐ is	**OFF**
☐	**VERIFY**	Power supply **Pass Security Led** for **H10** is	**OFF**
☐	**VERIFY**	**Attempt** to **turn on** Power Supply **H10**	**FAIL**
	PLACE	**Peer 25** in **Controlled Access, Mode 16**	
☐	**VERIFY**	**MCR** sees **Peer 25** in	**MODE 16**
	AT	**H10-House** Critical Device Box	
☐	**VERIFY**	**Div A** RIO **Output Led 7** ☐ is	**OFF**
☐	**VERIFY**	**Div B** RIO **Output Led 7** ☐ is	**OFF**
☐	**VERIFY**	Power supply **Pass Security Led** for **H10** is	**OFF**
☐	**VERIFY**	**Attempt** to **turn on** Power Supply **H10**	**FAIL**

☐ **Check for acceptance of Test that Critical Device: Power Supply H10 cannot be enabled in Safe Access, Mode 2; Restricted Access, Mode 8 and Controlled Access, Mode 16.**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: _____/_____/_____

TTL: Sign for completion of final testing: _____

Date: _____/_____/_____